

Title (en)  
Fuel injector mounting arrangement

Title (de)  
Vorrichtung zur Befestigung von Brennstoffeinspritzventilen

Title (fr)  
Dispositif de montage d'injecteurs de carburant

Publication  
**EP 1046810 A2 20001025 (EN)**

Application  
**EP 00102276 A 20000217**

Priority  
• US 13021499 P 19990420  
• US 31340799 A 19990518

Abstract (en)  
Fuel injector cups (14) include a tube (24) defining a longitudinal axis, a fuel rail mounting section and a lip (28) at first and second ends respectively. A clip (18) engages both the lip of the injector cup and the retention groove in the housing of the fuel injector to secure the injector to the cup and allow the injector to reciprocate along the longitudinal axis. Independent claims are also included for a clip for securing a fuel injector to a cup on a fuel rail, and a method of mounting a fuel injector to a cup on a fuel rail.  
A mounting arrangement with a fuel rail (12) having a plurality of fuel injector cups (14), a plurality of fuel injectors (16), and a clip (18). The fuel injector cups include a cylindrical tube defining a longitudinal axis, a fuel rail mounting section disposed at a first end of the tube, and a lip (28) at a second end of the tube. Each of the fuel injectors corresponding to one of the plurality of fuel injector cups. The fuel injectors have a housing with a retention groove. The clip engages both the lip (28) of the fuel injector cup and the retention groove in the housing of the fuel injector to secure the fuel injector to the fuel injector cup and allow the fuel injector to reciprocate along the longitudinal axis. <IMAGE>

IPC 1-7  
**F02M 61/14**; **F02M 69/46**; **F02M 69/08**; **F02M 55/00**

IPC 8 full level  
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Cited by  
CN105986946A; EP1529955A1; CN101273195A; EP2388469A1; CN102884305A; US9970401B2; US7469680B2; WO2011144411A1; WO02066826A1; WO2007040850A1

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